



December 2015

## Buss Shipping equips two container vessels with Alfa Laval PureSOx

**Buss Shipping, the shipping arm of the worldwide maritime logistics service provider Buss Group, will install Alfa Laval PureSOx exhaust gas cleaning systems on two of its container vessels at the beginning of next year. The SOx scrubbers will secure valuable fuel economy in a competitive charter market.**

Headquartered in Hamburg, Germany, Buss Shipping is a container ship operator with 20 feeder ships and a strong chartering business. To meet the requirements of today's charter market, the company is focusing on the sustainable modernization of its existing fleet.

As a key step in this process, hybrid Alfa Laval PureSOx systems will be retrofitted on board the vessels Condor and Corsar. Both are container feeders of 1025 TEU that operate exclusively in Emission Control Areas (ECAs). Since they frequent the low-alkalinity waters between Rotterdam and St. Petersburg, as well as ports like Hamburg with zero-discharge requirements, a scrubber with closed-loop mode was a necessity.

"The hybrid PureSOx systems on the Condor and Corsar will provide emission compliance with maximum flexibility and fuel economy," says Torben Kölln, Managing Director, Buss Shipping. "This will uphold the competitiveness of our offer to charter customers."

### **Custom engineering for the ideal solution**

The Condor and Corsar will each receive a hybrid PureSOx system with multiple inlets, connecting the main engine and two auxiliary engines to one U-design scrubber. In contrast to earlier systems with multiple inlets, the inlets will now lead into a single scrubber jet section – an advance in construction that will make the scrubber even more compact.

"The PureSOx solution was well engineered and allowed a sophisticated integration of the scrubber system into our container feeder ships," says Christoph Meier, Project Manager, Buss Shipping. "The custom construction let us avoid major modifications inside the vessel,

which together with the pre-outfitting gave us a short installation time. All those factors contributed to a competitive price.”

### **A compliant and strong charter offering**

For the engineering of the PureSOx systems, Buss Shipping GmbH & Co. KG cooperated with SDC Ship Design & Consult GmbH. Detailed engineering was handled by the shipyard German Dry Docks GmbH & co. KG, which will install the systems following deliveries by Alfa Laval in January and February 2016.

“The work between Buss Shipping, Alfa Laval, the shipyard and the engineering consultant has been smooth and productive,” says Mark Aarbodem, Project Manager at Alfa Laval. “Alfa Laval’s scrubber design and project management experience, together with the strong cooperation from the rest of the team, will ensure a reliable outcome for Buss Shipping.”

“All parties have worked together to arrive at a compliant solution that will benefit our charter operations,” says Kölln. “Rather than paying for expensive fuel, our container vessels will be able to serve charter customers at a competitive price – while still retaining our margins.”

To learn more about Alfa Laval PureSOx and Alfa Laval’s approach to exhaust gas cleaning, visit [www.alfalaval.com/marine](http://www.alfalaval.com/marine)

### **For further information, please contact:**

#### **Anne Kirstine Senderovitz**

Communication Manager and VP

Marine & Diesel Division, Alfa Laval

**Phone:** +45 51 23 45 56

**E-mail:** [annekirstine.senderovitz@alfalaval.com](mailto:annekirstine.senderovitz@alfalaval.com)

[www.alfalaval.com/marine](http://www.alfalaval.com/marine)

#### **René Diks**

Manager Marketing & Sales

Business Unit Exhaust Gas Cleaning

Alfa Laval Nijmegen BV, The Netherlands

**Phone:** +31 24 352 3180

**E-mail:** [rene.diks@alfalaval.com](mailto:rene.diks@alfalaval.com)

[www.alfalaval.com/puresox](http://www.alfalaval.com/puresox)

## **Editor's notes**

### About Alfa Laval

Alfa Laval is a leading global provider of specialized products and engineering solutions based on its key technologies of heat transfer, separation and fluid handling.

The company's equipment, systems and services are dedicated to assisting customers in optimizing the performance of their processes. The solutions help them to heat, cool, separate and transport products in industries that produce food and beverages, chemicals and petrochemicals, pharmaceuticals, starch, sugar and ethanol.

Alfa Laval's products are also used in power plants, aboard ships, in oil and gas exploration, in the mechanical engineering industry, in the mining industry and for wastewater treatment, as well as for comfort climate and refrigeration applications.

Alfa Laval's worldwide organization works closely with customers in nearly 100 countries to help them stay ahead in the global arena.

Alfa Laval is listed on Nasdaq OMX, and, in 2014, posted annual sales of about SEK 35.1 billion (approx. 3.85 billion Euros). The company has about 18 000 employees.

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